Title (en)

PROCESS FOR THE PRODUCTION OF INDOLE DERIVATIVES AND INTERMEDIATES THEREFOR

Title (de)

VERFAHREN ZUR HERSTELLUNG VON INDOL-DERIVATEN UND INTERMEDIATEN DAFÜR

Title (fr)

PRODUCTION DE DERIVES INDOLE ET INTERMEDIAIRES A CET EFFET

Publication

EP 1179532 A4 20041020 (EN)

Application

EP 00917294 A 20000412

Priority

- JP 0002381 W 20000412
- JP 10408499 A 19990412
- JP 2000073283 A 20000316

Abstract (en)

[origin: EP1179532A1] To provide a novel, industrially superior process for producing a 1,4-substituted cyclic amine compound which is useful as a pharmaceutical, and an intermediate for the process. That is, a process for producing an indole compound (I), which comprises reducing a 1,4-subsutituted 2-nitrophenyl compound (VII) to give a 1,4-substituted 2-aminophenyl compound (V); reacting the compound (V) with an N-substituted 4-piperidone compound (VI) to give a 1,4-substituted 2-piperidylaminophenyl compound (IV); cyclizing the compound (IV) to give a 2-oxoindoline compound (III); halogenating the compound (III) to give a 2-halogenated indole compound (II); reducing the compound (II); and if necessary subjecting the resulting compound to alcoholysis or aminolysis. <CHEM> <CHEM> wherein each of R<1> and R<2> represents a substituent; X represents a halogen atom; and n is a numerical subscript.

IPC 1-7

C07D 401/04; C07D 211/58

IPC 8 full level

C07D 211/58 (2006.01); **B01J 23/44** (2006.01); **C07D 401/04** (2006.01)

CPC (source: EP US)

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Citation (search report)

- No further relevant documents disclosed
- See references of WO 0061575A1

Cited by

WO2010050445A1

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EP 1179532 A1 20020213; **EP 1179532 A4 20041020**; **EP 1179532 B1 20070613**; AT E364600 T1 20070715; DE 60035194 D1 20070726; JP 2000355591 A 20001226; JP 4011819 B2 20071121; US 6573384 B1 20030603; WO 0061575 A1 20001019

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